

TIMOFEYEV, Dmitriy Vasil'yevich; SHUMILOVSKAYA, I.P., red.

[Conditions in electrical systems with traction loads]  
Rezhimy v elektricheskikh sistemakh s tiagovymi nagruz-  
kami. Moskva, Energiya, 1965. 223 p. (MIRA 18:3)

L 32816-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)

ACC NR: AP6005384

SOURCE CODE: UR/0413/66/000/001/0126/0126

INVENTOR: Timofeyev, D. V.; Yakovlev, G. I.

ORG: None

TITLE: Polyhedral hard-alloy cutting plate. Class 49, No. 177737

SOURCE: Izobreteniya, promyshlennyye obraztzy, tovarnyye znaki, no. 1, 1966, 126

TOPIC TAGS: cutter, cutting plate, polyhedral cutter, hard alloy cutter

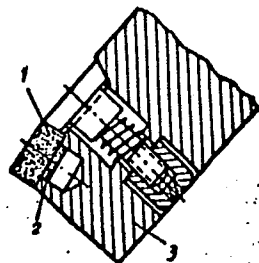
ABSTRACT: An author certificate has been issued for a polyhedral hard-alloy cutting plate. To increase its strength and the possibility of making holes of various shapes and sizes with its leading edge, the plate is made in one piece with a cross section in the form of an equilateral trapezoid and a shoulder on the bearing surface for securing the plate to the holder (See fig. 1)

Card 1/2

UDC: 621.9.025.7

L 32816-66

ACC NR: AP6005384



Polyhedral hard-alloy cutting plate  
1— plate;  
2— shoulder;  
3— holder

cutting tool 14

SUB CODE: 13/ SUBM DATE: 19Sep62

Card 2/2 97

TIMOFEEV, G.A.

"THE EFFECT OF MULTIPLE SCATTERING UPON THE DEVELOPMENT OF ELECTRON-  
PHOTON AVALANCHES"

G. A. Timofeyev, T. G. Volkonskaya, I. P. Ivanenko

The longitudinal development of electron-photon avalanches was calculated for the first rad. units of the absorber. The calculations were carried out for two materials -- lead and photoemulsion. Avalanches caused by primary electrons and photons of  $E \approx 10^{12}$  ev are considered. The cross sections of the Bremsstrahlung process and of pair production were determined by the formulas given by A.B. Migdal<sup>1</sup>, which take into consideration the effect of multiple scattering. The average energy spectra for electrons and photons were obtained at depths ranging from 0.25 to 2 rad units (some of the results-- up to 4 rad. units). Detailed fluctuation curves have been plotted for approximately 500 cases; the type of fluctuations at small depths is discussed. The experimental results are compared with calculations made by other authors.

report presented at the International Cosmic Ray Conference, Moscow 6-11 July 1959

AUTHORS: Volkonskaya, T. G., Ivanenko, I. P., SOV/56-35-1-48/59  
Timofeyev, G. A.

TITLE: On the Influence of the Multiple Scattering Effects on  
the Evolution of an Electron-Photon Shower of High Energy in  
Lead (O vliyaniy effektiv mnogokratnogo rasseyaniya na  
razvitiye elektronno-fotonnogo livnya bol'shoy energii v  
svintse)

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1958,  
Vol. 35, Nr 1, pp. 293 - 294 (USSR)

ABSTRACT: This paper describes the results of the calculations  
of the longitudinal evolution of 154 showers caused by a  
primary electron with  $E = 10^{12}$  eV for 2 t-units and of 40  
showers caused by a primary electron and photon in lead  
for 4 t-units. The calculations were carried out by means  
of the electronic computer "Strela" according to the  
Monte-Carlo (Monte-Karlo) method. The cross sections  
of the bremsstrahlung and pair-production processes were  
taken from a paper by Migdal (Ref 4), but the authors took  
into account that the refraction index of the medium is

Card 1/3

On the Influence of the Multiple Scattering Effects      SOV/56-35-1-18/59  
on the Evolution of an Electron-Photon Shower of High Energy in Lead

different from 1. A diagram demonstrates the average energy spectra of the electrons for the depths which correspond to 0,5; 1,0; 1,5; and 4 t-units. According to this diagram, the energy spectrum is changed by multiple scattering: There are more high-energy particles and less low-energy particles ( $< 10^9$  eV) with respect to the usual spectrum. Finally, the authors make some comments on the fluctuations of the number of shower particles. There are 1 figure, 1 table, and 6 references, 5 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: April 8, 1958

Card 2/3

3.24/10 (2205, 2805, 1659)

31539  
S/627/60/002/000/022/027  
D299/D304

AUTHORS: Volkonskaya, T. G., Ivanenko, I. P., and Timofeyev, G.A.

TITLE: Development of electron-photon showers of high energy  
in condensed media

SOURCE: International Conference on Cosmic Radiation. Moscow,  
1959. Trudy. v. 2. Shirokiye atmosferye livni i kas-  
kadnyye protsessy, 269-291

TEXT: In the computations, carried out by the Monte Carlo method,  
only pair creation, bremsstrahlung and ionization of the atoms of  
the medium were taken into account. The results are given of cal-  
culations concerning the development of approximately 300 showers  
in lead plates, generated by primary electrons of energy  $10^{12}$  ev.,  
and of approx. 400 showers generated in photographic plates by pri-  
mary photons of similar energy. Complete data are given on elec-  
trons and photons of energies  $E \geq 4 \cdot 10^7$  ev. (14 energy intervals) at  
depths up to 2 t-units. From the integral energy spectra of elec-  
Card 1/3

Development of electron-photon ...

<sup>31539</sup>  
S/627/60/002/000/022/027  
D299/D304

trons and photons in lead at various depth, it is evident that the spectra with multiple scattering vary: The number of particles of higher energies increases whereas that of lower energies decreases. It is noted that in the corresponding differential spectra, the difference between the ordinary and the spectra with multiple scattering is greater than in the integral spectra. A comparison of integral spectra of electrons and photons in photographic plates with corresponding spectra of ordinary cross-section, showed that the difference between these spectra is greater than in the case of lead. It is noted that the experimental error is rather high. The number distribution of showers is plotted in figures for various depths, together with the Poisson-, Furry- and normal distribution. These plots show that at great and medium depths, the distribution is asymmetrical and fluctuations of the order of  $\pm 0.7 \sqrt{N}$  ( $>E$ ) are met in approximately 40% of the cases. Hence it is rather difficult to observe the effects under study for showers with  $E = 10^{12}$  ev. The results of computations of the number distribution functions are listed in 23 tables; the standard deviations for several of these functions are listed in 2 tables. There are 10 figures, 25

4

Card 2/3



Development of electron-photon ...

31539  
S/627/60/002/000/022/027  
D299/D304

tables and 10 references: 6 Soviet-bloc and 4 non-Soviet-bloc. The references to the English-language publications read as follows: B. Rossi, S. J. Klapman. Phys. Rev., 61, 414, 1942; J. A. Richardsm L. W. Nordheim. Phys. Rev., 74, 1106, 1948; J. C. Butcher, H. Messel. Phys. Rev., 112, 2096, 1958; W. H. Furry, Phys. Rev., 52, 569, 1937.

4

Card 3/3

LOGACHEV, Yu.I.[translator]; TIMOFEYEV, G.A.[translator]; GORCHAKOV, Ye.V.[translator]; ASTAF'YEV, V.A.[translator]; SAVIN, B.I.[translator]; SHABANSKIY, V.P., red.; PAPTAYEVA, V.A., red.; DUBKOVA, S.I., red.; PRIDANTSEVA, S.V., tekhn. red.

[Solar corpuscular streams and their interaction with geomagnetic field] Solnechnye korpuskuliarnye potoki i ikh vzaimodeistvie s magnitnym polem Zemli. Moskva, Izd-vo inostr. lit-ry, 1962. 438 p. Translated from the English. (MIRA 15:11)

1. Nauchno-issledovatel'skiy institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta (for Logachev, Timofeyev, Gorchakov, Astaf'yev, Savin).  
(Solar radiation) (Magnetism, Terrestrial)

26701  
S/056/61/041/005/016/038  
B102/B108

04, 6700

AUTHOR: Timofeyev, G. A.

TITLE: Effect of the polarization of a medium on the development of electron-photon showers

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 41, no. 5(11), 1961, 1487-1492

TEXT: Some of the characteristics of electron-photon showers depend on the state of the medium. L. D. Landau and I. Ya. Pomeranchuk (DAN SSSR, 92, 535, 735, 1953) and A. B. Migdal (DAN SSSR, 96, 49, 1954; 105, 77, 1955; ZhETF, 32, 633, 1957) have developed a theory of the effect of multiple scattering on the bremsstrahlung and pair production cross sections. M. L. Ter-Mikaelyan (Izv. AN SSSR, ser. fizich., 19, 657, 1955) has calculated the electron bremsstrahlung cross section considering polarization. The author of the present paper determined the integral spectra of shower electrons and photons in air and lead. For these media the parameter  $\omega$  ( $\omega = \sqrt{4\pi NZe^2 \hbar^2 / m^3 c^4}$ , where  $N$  is the number of atoms/cm<sup>3</sup>),

Card 1/64

26701  
S/056/61/041/005/016/038  
B102/B108

Effect of the polarization of a...

m and e the mass and the charge of the electrons) amounts to  $1.9 \cdot 10^{-4}$  (Pb) and  $7.5 \cdot 10^{-5}$  (air). For  $E'/E \leq 10^{-4}$ , the integral number of shower particles should decrease.  $E'$  and  $E$  is the energy of the emitted photon and of the electron, respectively. The integral spectra for electrons and photons are described by

$$N_P(t, E) = \frac{1}{2\pi i} \int_{\delta-i\infty}^{\delta+i\infty} \left[ \left( \frac{E_0}{E} \right)^s - 1 \right] \left\{ \frac{\sigma_0 + \lambda_1(s)}{\lambda_1(s) - \lambda_2(s)} e^{\lambda_1(s)t} - \frac{\sigma_0 + \lambda_2(s)}{\lambda_1(s) - \lambda_2(s)} e^{\lambda_2(s)t} \right\} ds, \quad (2)$$

$$N_I(t, E) = \frac{1}{2\pi i} \int_{\delta-i\infty}^{\delta+i\infty} \left[ \left( \frac{E_0}{E} \right)^s - 1 \right] C(s) \left\{ \frac{\sigma_0 + \lambda_1(s)}{\lambda_1(s) - \lambda_2(s)} e^{\lambda_1(s)t} - \frac{\sigma_0 + \lambda_2(s)}{\lambda_1(s) - \lambda_2(s)} e^{\lambda_2(s)t} \right\} ds.$$

in Mellin representation. [Abstracter's note: The definitions of the quantities may be found in ZhETF, 36, 1771, 1959 and in the book of S. Z. Belen'kiy Lavinnyye protsessy v kosmicheskikh luchakh (Shower Processes in Cosmic Radiation), Gostekhizdat, 1948.] The Eqs. (2) may be approximated by

Card 2/5

Effect of the polarization of a...

26701  
S/056/61/041/005/016/038  
B102/B108

$$\begin{aligned} N_P(t, E) &= \frac{1}{2\pi i} \int_{s-i\infty}^{s+i\infty} \left[ \left( \frac{E_0}{E} \right)^s - 1 \right] H_1(s) e^{\lambda_1(s)t} ds, \\ N_I(t, E) &= \frac{1}{2\pi i} \int_{s-i\infty}^{s+i\infty} \left[ \left( \frac{E_0}{E} \right)^s - 1 \right] C(s) H_1(s) e^{\lambda_1(s)t} ds. \end{aligned} \quad (4)$$

for depths  $t > 1$ . For practical calculations, the function

$\varphi(s) = \lambda_1(s)t + \ln \frac{(E_0/E)^s - 1}{s}$  is introduced. Thus

$$\begin{aligned} N_P(t, E) &= H_1(s) e^{\lambda_1(s)t} (u-1)/s \sqrt{2\pi u^2 \varphi/ds^2}, \\ N_I(t, E) &= C(s) H_1(s) e^{\lambda_1(s)t} (u-1)/s \sqrt{2\pi d^2 \varphi/ds^2}, \end{aligned} \quad (5)$$

$$H_1(s) = \frac{\sigma_0 + \lambda_1(s)}{\lambda_1(s) - \lambda_2(s)}, \quad \frac{d^2 \varphi}{ds^2} = \frac{1}{s^2} \left\{ 1 - \frac{u \ln^2 u}{(u-1)^2} \right\} + t \frac{d^2 \lambda_1(s)}{ds^2},$$

Card 3/81

26701

S/056/61/041/005/016/038

B102/B108

Effect of the polarization of a...

with  $u = (E_0/E)^2$  and  $\frac{u \ln u}{u - 1} = 1 - ts \frac{d\lambda_1(s)}{ds}$ . Numerical calculations were carried out for Pb and air and the depths  $t = 1$  and  $t = 2$ . Fig. 2 shows the integral spectra for the phonons in lead and air. Similar curves were found for the electrons, but the cross sections were somewhat lower. The results prove that the spectra of the shower particles for  $E_0/E > 10^{-4}$  differ the more the higher the ratio  $E_0/E$ . The difference, however, is very small, so that the effect of polarization on the integral spectrum is negligible. There are 2 figures, 1 table, and 11 references: 9 Soviet and 2 non-Soviet. The two references to English-language publications read as follows: H. A. Bethe, W. Heitler. Proc. Roy. Soc., A146, 83, 1934; J. C. Butcher, B. A. Chartress, H. Messel. Nucl. Phys. 6, 271, 1958.

ASSOCIATION: Institut yadernoy fiziki Moskovskogo gosudarstvennogo universiteta (Institute of Nuclear Physics of Moscow State University)

SUBMITTED: March 9, 1961

Card 4/5

SAVIN, B.I.[translator]; TIMOFEEV, G.A.[translator]; SHABANSKIY,  
V.P., red.; SAMSONENKO, L.V., red.; DZHATIYEVA, F.Kh.,  
tekhn. red.

[Earth's radiation belts]Radiatsionnye poiasa Zemli. Mo-  
skva, Izd-vo inostr. lit-ry, 1962. 208 p. (MIRA 16:4)  
Translated from the English  
(Van Allen radiation belts)

L 29291-66 EWT(1)/FCC GW

ACC NR: AP6019300

SOURCE CODE: UR/0203/65/005/004/0754/0756

AUTHOR: Timofeyev, G. A.

ORG: Physics Institute im. P. N. Lebedev, AN SSSR (Fizicheskii institut AN SSSR)

TITLE: Process of Coulomb relaxation of the distribution of fast particles in the Earth's radiation belts

SOURCE: Geomagnetizm i aeronomiya, v. 5, no. 4, 1965, 754-756

TOPIC TAGS: Coulomb interaction, radiation belt, fast particle, ionospheric electron density, differential equation

ABSTRACT: This paper discusses the problem of the temporal change of the distribution of fast electrons or ions in the radiation belts due to their Coulomb interaction with the medium. The point of departure is a kinetic equation which takes into account the Coulomb interaction of fast particles with cold plasma, leading to a small change of energy and momentum in the elementary event. The kinetic equation describing Coulomb interaction of radiation belt particles with the medium is presented and analyzed; the equation then is solved. In this numerical solution the differential equation in partial derivatives is represented by a system of finite-difference equations. Figures 1-3 show the results of computation of electron density at the maximum of the outer radiation belt.

The author thanks A. V. Gurevich for suggesting the problem and conducting the work. Orig. art. has: 3 figures and 3 formulas. [JPRS]

SUB CODE: 20, 04 / SUBM DATE: 25Nov64 / ORIG REF: 002 / OTH REF: 002  
Card 1/1 4C UDC: 550.385.41:551.510.536



L 8264-66

ACC NR: AP5028609

SOURCE CODE: UR/0337/65/000/011/0024/0025

AUTHOR: Timofeyev, G. F. <sup>55</sup>

33

ORG: Atlantic Scientific Research Institute of the Fishing Industry and Oceanography (AtlantNIRO)

TITLE: Study of sounds made by pike perch and roach in aquariums

SOURCE: Rybnoye khozyaystvo, no. 11, 1965, 24-25

TOPIC TAGS: acoustic recording, acoustic research facility, acoustic wave, under-water acoustics, marine biologic noise

ABSTRACT: In 1962, the marine electronics division of SEKB, AtlantNIRO, made sound recordings of several fresh-water fish (pike perch, and roach) placed in a 150 x 50 x 75-cm organic-glass aquarium. An MPO-2 loop oscilloscope<sup>10</sup> was used to determine the wave-amplitude characteristics of fish sounds using an SZCh audio frequency spectrometer with an RFK-1 recording camera.<sup>10</sup> The water's overall noise level and the sounds of fish were identified by the use of the N-110 automatic electrical-oscillations level recorder.<sup>10</sup> Observations were conducted day and night without illumination, and it was noted that fish make the most sound immediately after being placed in the aquarium. Sounds made by a given fish during the day or night could not be distinguished. In Fig. 1 is an oscillogram showing the characteristics of fish sounds. A diagram showing sound levels is given in Fig. 2. Since this experiment was

Card 1/4

UDC: 534.86

L 8264-66

ACC NR: AP5028609

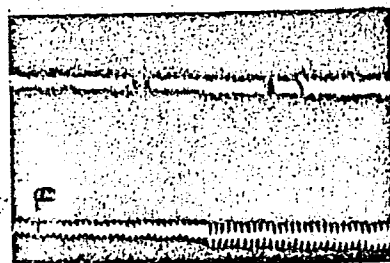
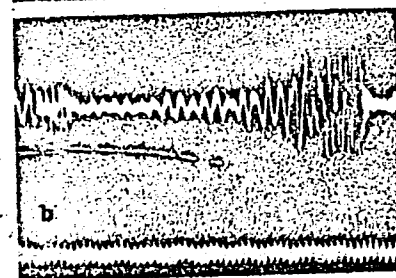
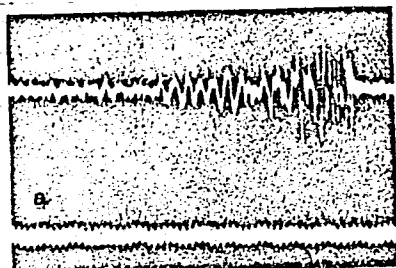


Fig. 1. Oscillogram of fish sounds

- a - Steady "knock" of pike perch;
- b - double "knock" of pike perch;
- c - crackling of roach.

Card 2/4

L 8264-66

ACC NR: AP5028609

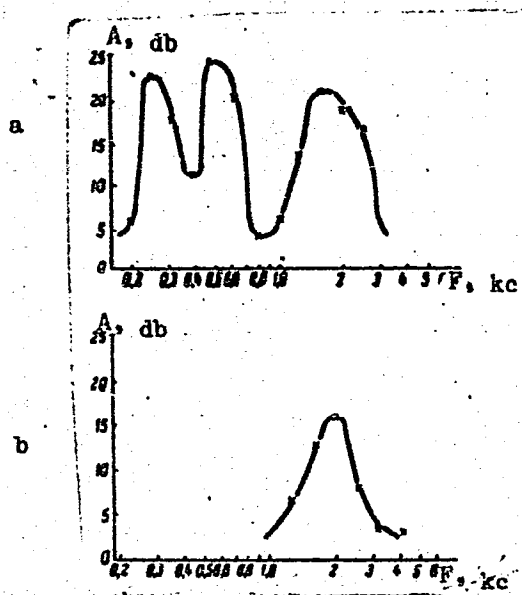


Fig. 2. Relationship between sound levels in an aquarium and the sounds of fish

a - Pike perch; b - roach.

accomplished using a small aquarium, there are possible distortions (mainly as a result of the numerous reflections of sounds from the walls of the aquarium). Therefore, the data thus acquired is lacking in specificity. Orig. art. has: 2 figures. [KT]  
Card 3/4

L 8264-66

ACC NR: AP5028609

SUB CODE: 06,09/SUBM DATE: none/

BC  
Card 4/4



fish observed. Orig. was —

Timofeyev, G.G.

24/2/20 65702  
 Granovskiy, V.L., Luk'yanov, S.Yu., Spivak, G.V. and  
 Sirotenko, I.G.

TITLE: Report on the Second All-Union Conference on Gas Electronics

PERIODICAL: Radiotekhnika i elektronika, 1959, Vol 4, Nr 8, pp 1339 - 1338 (USSR)

ABSTRACT: The conference was organized by the A.S. USSR, the Ministry of Higher Education and Moscow State University.

T.B. Fogel'son - "Methods of Reducing the Energy Lost in the Formation of a Breakdown".  
 L.I. Pivovarov and V.I. Gordinenko - "Microdischarges and Pre-breakdown Currents Between Metal Electrodes in High Vacuum".

V.A. Simonov and G.P. Katukov - "Investigation of the Processes of Initiation and Development of a High-voltage Discharge in Vacuum".  
 R.M. Maykandal and G.Y. Smirnitkaya - "The Character-istics of Ignition in High-vacuum in Magnetic Fields".

L.Y. Tikhonov et al. - "Study of the Transfer of the Electrode Material during the Pre-breakdown stage in vacuum".  
 N.N. Rozanov et al. - "The Emission of Micro-particles of Substances During Electric Breakdown in Vacuum".

The third section dealt with the problems of electric sparks, corona and their practical applications. It was presided over by I.S. Stekol'nikov. The following papers were read:  
 V.I. Laxitov et al. - "Probe Investigation of the a.c. Corona Fields".

R.M. Alexandrux - "Elementary Processes in the Ionization Zone of Corona-type Conductors at Atmospheric Pressures".  
 V.A. Buzhik - "Appearance of a Corona Discharge in Hydrogen and Nitrogen".

P.M. Chistakov et al. - "Some Properties of the Corona Discharge in Hydrogen and Nitrogen".  
 A.S. Sobolova and B.N. Kiyaralid - "Appearance of Discharge Phenomena Between a Point and a Plane at Gas Pressures of 10<sup>-3</sup> - 1.0 mm Hg".

Iz'yu. Rykachev et al. - "Methods of Unipolar Ionization of Air by Means of Aero-ionizers (see p 1335 of this Journal)".  
 M.P. Yanyukov et al. - "Time Spectra of the Radiation of a Spark Discharge in Inert Gases" (see p 1284 of the Journal).

M.P. Yanyukov and A.A. Mak - "Production of High Temperatures by Means of Spark Discharges".  
 V.A. Perestvagin - "Influence of the Magnetic Field of the Electric Discharge on the Dividing Surface of Two Media".

I.S. Stekol'nikov - "New Data from the Study of Long Sparks".  
 M.P. Yanyukov - "Properties of the Breakdown of Compressed Air in a Comparatively Uniform Field in the Presence of Local Non-uniformities".

A.A. Yashchuk - "Techniques for the Measurement of the Discharge Lags in Dielectrics" (see p 1337 of the Journal).  
 A paper by B.M. Zolotikh dealt with the problem of the basic theory of the electric erosion (see p 1330 of the Journal).

The fourth section was presided over by S.Yu. Luk'yanov and was concerned with the non-stationary and low-frequency discharges. The following papers were read:  
 I.G. Makrahevich and A.A. Labud - "The Nature of the Current Interruption During the Electric Explosion of a Metal Wire".

V.A. Gali Wires - "Propagation of Plasma From Local Pulse Sources".  
 G.G. Timofeyev et al. - "Observation of an Electro-Optical Converter".

M.S. Ioffe and Ya.Ya. Yushmanov - "Investigation of the Radial Electric Field in an Ion Magnetron".  
 V.A. Belyayev and M.K. Romanovskiy - "Experiments with an Electron Model of a System with Harmonic Oscillations".

A.M. Andrianov et al. - "Distribution of Magnetic and Electric Fields in Powerful Pulse Discharges".  
 G.M. Baiding (England) - "Spectroscopic Determination of the Plasma Temperature in the 'Zeta' Equipment" (see p 1338 of the Journal).

The paper by Baiding aroused a lot of interest and Academician I.A. Vavilov expressed the opinion that the electrons and ionization in the 'Zeta' should be of the same order; instead of being 10<sup>10</sup> according to Harding, the electron temperature is 10<sup>11</sup> or even higher than that of the ions.

Card 7/19

RYZHIKOV, A.A., doktor tekhn. nauk; SEVERYUKHIN, N.V., inzh.;  
TIMOFEYEV, G.I., kand. tekhn. nauk; ROZHCHIN, M.I., inzh.

Low-pressure casting of intricately shaped silicon brass  
castings. Lit. proizv. no.12:35 D '65. (MIRA 18:12)



TIMOFEEV, G.I.; ZINGER, G.M.

Volumetric odometrical method of determining inorganic sulfide  
sulfur in sedimentary rocks. Zav. lab. 31 no. 12:1448 '65  
(MIRA 19:1)

1. Nizhnevolzhskiy nauchno-issledovatel'skiy institut geologii  
i geofiziki.

RIZHIKOV, A.A. [Ryzhikov, A.A.]; TIMOFEEV, G.I. [Timofeyev, G.I.]

The brass sleeve casting by cooling and hardening under pressure.  
Mashinostroene 11 no.12:37-38 D '62.

OSKOLKOV, I. M., kand. tekhn. nauk; TIMOFEYEV, G. I., inzh.;  
LITVINOV, V. S., inzh.; TROITSKIY, A. M.

Review of the chapter titled "Brightness control of fluorescent lamps" of K. G. Shturm's book "Start regulating equipment and networks for connecting fluorescent lamps." Svetotekhnika 9 no.2:29-30 F '63. (MIRA 16:4)

1. Nauchno-issledovatel'skiy kinofotoinstitut (for Oskolkov, Timofeyev).

(Fluorescent lamps) (Fluorescent lighting)  
(Shturm, K. G.)

SOV/20-125-2-40/64

3(0)

AUTHORS: Timofeyev, G. I., Il'ina, N. S.

TITLE: On the Problem of the Geochemical Conditions of the Sedimentation During the Bathonian-Bajocian Age in Southern Dagestan (K voprosu o geokhimicheskikh usloviyakh osadkonakopleniya v bat-bayosskoye vremya v Yuzhnom Dagestane)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 2, pp 379-382 (USSR)

ABSTRACT: The authors studied the sediments mentioned in the title which had been obtained from bores. The determinations of sulfur, of  $C_{org}$ , of the iron forms, as well as the analyses of the bitumen components were carried out by G. I. Timofeyev. N. S. Il'ina studied the rocks, using transparent grindings. The petrographical characteristics of the loams, sandstones, and aleurolites, as well as of siderite are described. From table 1 it can be seen that the loams contain the maximum  $C_{org}$  quantity, and that the smallest amount of this substance is contained in the sandstones. In this connection aleurolites take an

Card 1/3

SOV/20-125-2-40/64  
On the Problem of the Geochemical Conditions of the Sedimentation During  
the Bathon -Bajocian Age in Southern Dagestan

intermediate position. The reverse of this pattern is shown by the oxide form of iron. The authors drew up diagrams for the above-mentioned contents (Fig 1). It was found that the preponderant number of the loamy rock samples came from the sulfide-siderite zone, whereas the majority of the sandy-aleurite rocks are situated in the oxidative field. Thus favorable bitumen formation conditions prevailed during the sedimentation of the loamy deposits (Table 1, Ref 5). The scanty quantities of bitumen in the sandy-aleurite rocks may date from the migration from the loams. Analyses of the bitumens prove this theory (Table 1). There are 2 figures, 1 table, and 6 references, 5 of which are Soviet.

ASSOCIATION: Geologicheskii institut Dagestanskogo filiala Akademii nauk  
SSSR  
(Geological Institute of the Dagestan Branch of the Academy  
of Sciences, USSR)

Card 2/3

S07/20-125-2-40/54

On the Problem of the Geochemical Conditions of the Sedimentation During  
the Bathon' -Bajocian Age in Southern Dagestan

PRESENTED: November 20, 1958, by N. M. Strakhov, Academician

SUBMITTED: November 19, 1958

Card 3/3

TIMOFEYEV, G. I., Candidate Geolog-Mineralog Sci (diss) -- "Laws of the distribution of diffuse organic materials in the Batbayosk deposits of Dagestan". Makhachkala, 1959. 20 pp (Acad Sci USSR, Dagestan Affiliate, Inst of Geology), 130 copies (KL, No 24, 1959, 131)

TIMOFEEV, G.I.

Distribution of organic matter in Bat-Bayos sediments in Daghestan  
[with summary in English]. Geokhimiia no.6:596-601 ' 58.  
(MIRA 11:12)

1. Geologicheskii institut Daghestanskogo filiala AN SSSR,  
Makhachkala.

(Daghestan--Rocks--Analysis) (Organic matter)



SOV/7-58-6-10/16

AUTHOR: Timofeyer, G. I.

TITLE: On the Distribution of Organic Matter in Sediments of Bat-Bayos, Dagestan (O raspredelenii organicheskogo veshchestva v otlozheniyakh bat-bayosa Dagestana)

PERIODICAL: Geokhimiya, 1958, Nr 6, pp 596 - 601 (USSR)

ABSTRACT: More than 400 samples from 16 natural sections and from boreholes of 5 prospecting areas were investigated. Organic carbon was volumetrically determined. The average content amounts to 0.543%; in samples from natural sections 0.509% (Table 3), in samples from boreholes 0.776% (Table 2). The content depends on the lithological composition: Clays have the highest content (1.09%), sandstone (0.181%) has the lowest content. Siltstones with 0.66% (Table 1) are between the two former mentioned. The values fluctuate considerably. This phenomenon may be explained by weathering, various physico-chemical conditions in sedimentation and the distance from the shore-line in the Middle Jurassic. The organic matter was investigated (Table 4): There is a complete lack of humic acid, the quantity of bitumen is small, the rest consists of insoluble organic matter. Most

Card 1/2

On the Distribution of Organic Matter in Sediments  
of Bat-Bayos, Dagestan

SOV/7-58-6-10/16

of the bitumen is contained in sandstones, less in silt-  
stones and least in clays. This has the following reason:  
Organic carbon of sandstones has a secondary formation  
caused by migration, whereas in clay the formation is  
syngenetic. There are 4 tables and 14 references, 13 of  
which are Soviet.

ASSOCIATION: Geologicheskii institut Dagestanskogo filiala AN SSSR,  
Makhachkala (Geological Institute Dagestan Branch, AS USSR,  
Makhachkala)

SUBMITTED: June 18, 1958

Card 2/2

TIMOFEEV, G. I.

Primary migration of bituminous components in the Bathonian-Bajocian  
of Daghestan. Geol. nefti i gaza 4 no.11:11-14 M '60.  
(MIRA13:11)

1. Dagestanskiy filial AN SSSR.  
(Daghestan--Bitumen--Geology)

TIMOFEEV, G.I.

Effect of weathering on the organic matter in sedimentary rocks.  
Azerb.neft.khoz. 38 no.12:6-7 D'59. (MIRA 13:10)  
(Rocks, Sedimentary) (Organic matter) (Weathering)

TIMOFEYEV, G.I.; MAGATAYEV, K.S.

Nitrogen and the ratio of carbon to nitrogen in Bathonian and  
Bajocian sediments of Daghestan and their importance in the  
delineation of oil producing series. Trudy Geol.inst.Dag.fil.  
AN SSSR 2:118-127 #60. (MIRA 15:12)  
(Daghestan—Petroleum geology)  
(Daghestan—Rocks, Sedimentary—Analysis)

TIMOFSEYEV, G.I.; MAGATAYEV, K.S.

Qualitative and quantitative characteristics of bitumens in  
Bathonian and Bajocian sediments of Daghestan. Trudy Geol. inst.  
Dag.fil. AN SSSR 2:105-110 '60. (MIRA 15:12)  
(Daghestan—Bitumen—Geology)

RYZHIKOV, A.A.; TIMOFEYEV, G.I.

Pressure casting of bronze bushings by the freezing-on process.  
Lit. proizv. no.1:4-7 Ja '62. (MIRA 16:8)

(Bronze founding)

PARIYSKIY, Yu.N.; TIMOFEYEVA, G.M.

Structure of the radio sources Cygnus A and Virgo A. Astron. zhur.  
41 no.1:3-6 Ja-F '64. (MIRA 17:4)

1. Glavnaya astronomicheskaya observatoriya AN SSSR.



COUNTRY : USSR  
 CATEGORY : Forestry. Forest Biology and Typology. K  
 ABST. JOUR. : RZhBiol., No. 3 1959, No. 10749  
 AUTHOR : Tincofayev, G. P.  
 INST. : Leningrad Forestry Technical Academy.  
 TITLE : On the Development and Growth of Conifero-Deciduous  
 Plantations and Raising Their Productivity by Regulating  
 the Interaction of Species.  
 ORIG. PUB. : Tr. Leningr. lesotekhn. akad., 1957, vyp. 81, ch. 2,  
 43-46.  
 ABSTRACT : On the basis of a study of the characteristics of the  
 growth of pine, spruce and birch on conifero-deciduous  
 Grade I plantations, it is stated that on pine-birch  
 plantations, pine lags in growth behind birch during the  
 first three decades, and that it lags behind pine on  
 pure plantations on similar soils. When growing together,  
 pine and birch lose, with age, the capacity for vigorous  
 growth, and the loss in annual growth in pine in the first  
 30 years is compensated by the age of 50-60. Later, the  
 store of woody tissue in pine on a mixed plantation in-  
 creases faster than on a pure pine plantation and by the

REF: 1/3

COUNTRY  
CATEGORY :

ABST. JOUR. : RZhMol., No. 1959, No. 10749

AUTHOR  
INST.  
TITLE :

OPTIC. PUB. :

ABSTRACT : age of 90 years it is 15% higher than on a pure plantation. The store of woody tissue in birch on a mixed plantation, increases after 20 years more intensively than in a pure birch forest and by the age of 90 years, the productivity of the birch exceeds that of the indicators by 38%. In spruce of preliminary renewal (when it is 15-30 years older than the deciduous species) the culmination of annual growth is observed in 40-50 years. In the author's opinion, clearing a pine-deciduous plantation

CARD: 2/3

COUNTRY :  
CATEGORY :

ABS. JOUR. : RZhBiol., No. 1959, No. 10749

AUTHOR :  
INST. :  
TITLE :

ORIG. PUB. :

ABSTRACT : is the basic measure which secures the predomination of pine, reduction of its growing period and a rise in the productivity. In the simultaneous renewal of spruce and deciduous species, it is recommended to carry out one- or two-operation improvement cuttings. -- M. S. Nekrasova

CARD: 3/3

NIKOLAYEV, P.N.; TIMOFEYEV, G.P. (Gor'kiy)

Device for the simultaneous switching-on of stopwatch and  
current. Zhur.fiz.khim. 35 no.8:1860-1861 Ag '61. (MIRA 14:8)

1. Nauchno-issledovatel'skiy institut khimii pri  
Gor'kovskom gosudarstvennom universitete imeni N.I.  
Lobachevskogo.

(Automatic timers)

TIMOFEYEV, G. P. Cand Agr Sci -- (diss) "Peculiarities of the development  
and growth of pine<sup>trees</sup> and birch<sup>trees</sup> in common growth under conditions of the fresh  
pine forest of the Raifskiy ~~forestry~~<sup>timber management</sup> Len, 1958. 18 pp (Min of Higher Education  
USSR. Len Order of Lenin Forestry Engineering Acad im S. M. Kirov), 100 copies  
(KL, 14-58, 115)

-90-

COUNTRY : USSR  
 CATEGORY : For study. Biology. Zoology. K  
 RES. JOUR. : RZhBiol., No. 14 1959, No. 63172  
 AUTHOR : Timofeyev, G. P.  
 TITLE : Features of Growth Changes and Growth of Pine and Birch in a Mixed Stand  
 RES. PUB. : Izv. Akad. Nauk, 1957, No. 5, 75  
 ABSTRACT : It has been established by observations under fresh pine forest conditions in the Pait'skiy tree farm (Tatar ASSR) that growth changes in pine and birch proceed more slowly in mixed than in pure stands. In birch, the retardation of changes in morphological-anatomical and physiological characteristics with age appears only after 20 years. The culmination of growth in pine lags by 5-10 years as compared with the pure pine forest. However, with mixed growth of pine and birch the capacity for vigorous growth is lost more slowly with age. Therefore the loss in wood increase for pine in the first 30 years is compensated for by the 50-60th year, and  
 WORDS: 1/2

- 10 -

COUNTRY :  
CATEGORY :

K

ABS. JOUR. : RZhBiol., No. 14 1959, No. 63172

AUTHOR :  
INST. :  
TITLE :

ORIG. PUB. :

ABSTRACT : moreover the stock in a mixed stand increases more rapidly than in a pure stand. The stock of bore pine wood in a mixed stand by the 90th year is greater by 15% than in a pure stand; the productivity of Birch is increased by 38%.--V. I. Nekrasov

Card: 2/2

TIMOFEEV, G. P.

Effect of Ecological Conditions on Yield and Germination of Seeds of  
Evonymus verrucosus." Dokl. Ak. Nauk SSSR, 83, No. 4, 1952

Povolzh Lesotekh. Inst. im. M. Gorkiy , Yoshkar-Ola



TIMOFEEV, D.V.  
TIMOFEEV, D.V., inzhener.

Operation and construction of electric networks under the conditions  
of the Far North. Elek.sta.29 no.7:52-56 J1 '57. (MIRA 10:9)  
(Russia, Northern--Electric power stations)

TIMOFEEV, G.P.

Development and growth characteristics of mixed plantings. Dokl.  
AN SSSR 97 no.6:1073-1076 Ag '54. (MLRA 7:10)

1. Povolzhskiy lesotekhnicheskii institut im. M.Gor'kogo, Yoshkar-  
Ola. Predstavleno akademikom V.N.Sukachevym.  
(Pine) (Birch) (Forests and forestry--Experimental areas)

Timofeev, G. P.  
USSR/Agriculture - Plant ecology

Card 1/1 : Pub. 22 - 36/44

Authors : Timofeev, G. P.

Title : Characteristics of the development and growth of mixed plantings

Periodical : Dok. AN SSSR 97/6, 1073-1076, Aug 21, 1954

Abstract : Scientific data on the germination and growth of mixed 17-year old pinebirch cultures planted in Tatar-ASSR, are presented. Fourteen USSR references (1939-1953). Tables; graphs.

Institution : The M. Gorkiy, Trans-Volga Forest Institute, Yoshkar-Ola

Presented by : Academician V. N. Sukachev, June 3, 1954

TIMOFEYEV, I., technolog.

Terra-cotta facing tiles made of brick clays. Stroi. mat. 4  
no.11:29-30 N '58. (MIRA 11:12)

1. Kuchinskiy opytный zavod i Nauchno-issledovatel'skiy institut  
Stroykeramiki.

(Tiles)

TIMOFEYEV, I.A.; POTAYCHUK, S.I.; BOGDANOV, M.A.

Apropos of V.V.Rossov's article "Tidal variability of hydrological  
conditions." Okeanologiya 2 no.4:731-734 '62. (MIRA 15:7)  
(Oceanography) (Rossov, V.V.)

KHEL'P, K. [Help, K.]; BASNEV, S.P.; RIKK, E.; TIMOFEYEV, I.A.; TUL'P, M.  
[Tulp, M.]

One of the possible efficient ways to use tunnel gas. Khim. i tekhn.gor.  
slan. i prod. ikh perer. no.12:106-111 '63. (MIRA 17:2)

KHITROVA, N.A., ~~TIMEFEYEV, I.I.~~; SHCHENNIKOV, S.S., starshiy inzhener;  
MURASHEVA, O.I., redaktor; KISINA, Ye.I., tekhnicheskiy redaktor

["Bread" pavilion; a guidebook] Pavil'on "Khleb"; putevoditel'.  
Moskva, Pishchepromizdat, [1957] 35 p. (MLA 10:10)

1. Moscow. Vsesoyuznaya promyshlennaya vystavka, 1957. 2. Direktor  
pavil'ona (for Timefeyev)  
(Moscow--Cereal products--Exhibitions)

OSTROUKHOV, Mark Yakovlevich; TIMOFEYEV, Ivan Georgiyevich; BRAGIN,  
Vladimir Timofeyevich; ~~KRYZHOVA~~, M.L.; red. izd-va; MAL'KOVA,  
N.T., tekhn. red.

[Life of blast-furnace charging equipment during operation at  
high-gas pressure] Sluzhba zasypnykh apparatov domennykh pechei  
pri rabote s povyshennym davleniem gaza. Sverdlovsk, Metal-  
lurgizdat, 1962. 74 p. (MIRA 15:7)  
(Blast furnaces--Equipment and supplies)



KARASIK, G.A.; TIMOFEEV, I.G.

[Stakhanovite methods in anodic-mechanical cutter sharpening; experience of the "Vulcan" plant] Stakhanovskie metody pri anodno-mekhanicheskom zatachivanii reztsov; opyt zavoda "Vulkan." Leningrad, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry [Leningradskoe otd-nie] 1953. 47 p.

(MIRA 6:10)  
(Metal cutting)

TIMOFEYEV, I.I., Cand Tech Sci -- (diss) "Study of the  
kinematics and dynamics of <sup>the grinding of</sup> ~~grinding around~~ the periphery  
of a circle." Mos, 1959, 13 pp (Min of Higher Education  
USSR. Mos Machine Tool <sup>and Instrument</sup> Inst im I.V. Stalin) 150 copies.  
Bibliography at end of text (11 titles) (NL, 34-59, 115)

- 58 -

TIMOFEYEV, I.I., aspirant

Calculating the length and thickness of cuts for grinding.  
Izv.vys.ucheb.zav.; mashinostr. no.7/8:114-124 '58.  
(MIRA 12:8)

1. Moskovskiy stanko-instrumental'nyy institut.  
(Grinding and polishing)

25

CP  
TIMOFEEV, I.I.

Eliminating white spots in fabrics. Ya. A. Popkov and I. I. Timofeev. Russ. St. 107, May 31, 1948. White spots on fabrics of natural silk are eliminated by moistening them with a warm soln. of NaClO<sub>2</sub>, treatment with a warm soln. of hypochlorite, then with NaHSO<sub>3</sub>, and washing with water.

ATM-564 METALLURGICAL LITERATURE CLASSIFICATION  
7

RESEARCH AND DEVELOPMENT  
STANDARD NO.

SERIES MAP LINE CODE  
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z AA AB AC AD AE AF AG AH AI AJ AK AL AM AN AO AP AQ AR AS AT AU AV AW AX AY AZ BA BB BC BD BE BF BG BH BI BJ BK BL BM BN BO BP BQ BR BS BT BU BV BW BX BY BZ CA CB CC CD CE CF CG CH CI CJ CK CL CM CN CO CP CQ CR CS CT CU CV CW CX CY CZ DA DB DC DD DE DF DG DH DI DJ DK DL DM DN DO DP DQ DR DS DT DU DV DW DX DY DZ EA EB EC ED EE EF EG EH EI EJ EK EL EM EN EO EP EQ ER ES ET EU EV EW EX EY EZ FA FB FC FD FE FF FG FH FI FJ FK FL FM FN FO FP FQ FR FS FT FU FV FW FX FY FZ GA GB GC GD GE GF GG GH GI GJ GK GL GM GN GO GP GQ GR GS GT GU GV GW GX GY GZ HA HB HC HD HE HF HG HH HI HJ HK HL HM HN HO HP HQ HR HS HT HU HV HW HX HY HZ IA IB IC ID IE IF IG IH II IJ IK IL IM IN IO IP IQ IR IS IT IU IV IW IX IY IZ JA JB JC JD JE JF JG JH JI JJ JK JL JM JN JO JP JQ JR JS JT JU JV JW JX JY JZ KA KB KC KD KE KF KG KH KI KJ KL KM KN KO KP KQ KR KS KT KU KV KW KX KY KZ LA LB LC LD LE LF LG LH LI LJ LK LL LM LN LO LP LQ LR LS LT LU LV LW LX LY LZ MA MB MC MD ME MF MG MH MI MJ MK ML MN MO MP MQ MR MS MT MU MV MW MX MY MZ NA NB NC ND NE NF NG NH NI NJ NK NL NN NO NP NQ NR NS NT NU NV NW NX NY NZ OA OB OC OD OE OF OG OH OI OJ OK OL OM ON OO OP OQ OR OS OT OU OV OW OX OY OZ PA PB PC PD PE PF PG PH PI PJ PK PL PM PN PO PP PQ PR PS PT PU PV PW PX PY PZ QA QB QC QD QE QF QG QH QI QJ QK QL QM QN QO QQ QR QS QT QU QV QW QX QY QZ RA RB RC RD RE RF RG RH RI RJ RK RL RM RN RO RP RQ RR RS RT RU RV RW RX RY RZ SA SB SC SD SE SF SG SH SI SJ SK SL SM SN SO SP SQ SR SS ST SU SV SW SX SY SZ TA TB TC TD TE TF TG TH TI TJ TK TL TM TN TO TP TQ TR TS TT TU TV TW TX TY TZ UA UB UC UD UE UF UG UH UI UJ UK UL UM UN UO UP UQ UR US UT UU UV UW UX UY UZ VA VB VC VD VE VF VG VH VI VJ VK VL VM VN VO VP VQ VR VS VT VU VW VX VY VZ WA WB WC WD WE WF WG WH WI WJ WK WL WM WN WO WP WQ WR WS WT WU WV WW WX WY WZ XA XB XC XD XE XF XG XH XI XJ XK XL XM XN XO XP XQ XR XS XT XU XV XW XX XY XZ YA YB YC YD YE YF YG YH YI YJ YK YL YM YN YO YP YQ YR YS YT YU YV YW YX YY YZ ZA ZB ZC ZD ZE ZF ZG ZH ZI ZJ ZK ZL ZM ZN ZO ZP ZQ ZR ZS ZT ZU ZV ZW ZX ZY ZZ

TIMOFEYEV, I.I., aspirant

Calculating stresses caused by grinding. Izv.vyr.ucheb.zav.;  
mashinostr. no.5:174-183 '59. (MIRA 13:4)

1. Moskovskiy stankoinstrumental'nyy institut im. I.V.  
stalina.

(Grinding and polishing)

18 (5), 25 (1)

SOV/145-58-7/8-13/24

AUTHOR: Timofeyev, I.I., Aspirant

TITLE: Estimation of the Length and Thickness of Cuts when Polishing

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy - Mashinostroyeniye, 1958, Nr 7-8, pp 114-124 (USSR)

ABSTRACT: In the laboratory of the Moscow Machine-Tool Institute imeni I.V. Stalin, research on metal polishing has been carried out. The author analyzes the experimental results of this research and establishes the dependence of cut sizes on the parameters of polishing. The average number of abrasive grains that get into a unit area of polishing disk is expressed by

formula  $i = 1.54 \frac{w_k^{2/3}}{d^2}$ , where d is diameter of grain;

Card 1/3  $w_k = \frac{62-2N}{100}$  (N is the structure number). Reference: ✓

SOV/145-58-7/8-13/24

Estimation of the Length and Thickness of Cuts when Polishing

Ye.N. Maslov, "Principles of Theory of Polishing", Mashgiz, 1951 [1]. The next factor considered by the author is the difference in grain height. Reference: V.D. Sil'vestrov, "Non-Diamond Trimming of Polishing Disks when Polishing Components Requiring the 9-10 Grade of Surface Finishing", published by the periodical "Stanki i instrument", 1954, Nr 6 [2]. In Fig 1, distribution of grains according to their heights, which takes place immediately after the polishing disk trimming, is illustrated. This distribution is near to that conditioned by the law of probability. In practice, the distribution of grains follows the law of linearity (Fig 2). Dependence between the thickness and the width of the cut is determined by formula  $b = ma^n$ , where  $b$  is the cut average width in millimeters;  $a$  - cut thickness;  $m$  and  $n$  - coefficients depending mainly on the grain size. The author proceeds by analyzing the full pitch of the cut and the actual length of the contact surface between the grain and the work piece. In con-

Card 2/3

SOV/145-58-7/8-13/24

Estimation of the Length and Thickness of Cuts when Polishing

clusion, he determines the maximum cut depth made by one cutting edge. As an illustration, the author gives an example of polishing process parameters:  $V_d = 35$  m/sec;  $V_w = 0.4$  m/sec;  $t = 0.005$  mm;  $D = 60$  cm;  $d = 10$  cm, where  $V_d$  is polishing disk speed;  $V_w$  - speed of the work piece;  $t$  - feed per one turn of the work piece;  $D$  - polishing disk diameter;  $d$  - work piece diameter. There are 5 graphs, 4 figures and 2 Soviet references.

ASSOCIATION: Moskovskiy stanko-instrumental'nyy institut (Moscow Machine-Tool Institute)

SUBMITTED: June 12, 1958 ✓

Card 3/3



TIMOFEEV, I.M.

Mechanized packet loading of gypsum partition slabs. Stroi.  
mat. 11 no.7:10-11 J1 '65. (MIRA 18:8)

1. Nachal'nik konstruktorskogo byuro Pavshinskogo kombinata  
teploizolyatsionnykh i gipsovykh izdeliy.

TIMOFEYEV, I.M., inzh.

Efficiency of the transfer of the management of long industrial approach tracks to the jurisdiction of the Ministry of Railroad Transportation. Zhel.dor.transp. 45 no.10:78-80 0 '63.

(MIRA 16:11)

1. Nachal'nik sluzhby dvizheniya Korkinskogo proizvodstvennogo upravleniya kombinata "Chelyabinskugol'".

TIMOFEYEV, I.N.

Forms of relict formations in pegmatites of the Bol'shoye  
Severnoye deposit. Trudy IGEK no.48:55-60 :61. (MIRA 15:1)  
(Mama Valley---Pegmatites)

TIMOFEEYEV, I.N.

Materials on the growth of the Azov bream. Trudy VNIRO 50:163-177 '64.  
(MIRA 17:12)

TIMOFEYEV, I.N.

Determining the process of formation of pegmatite bodies. Geol. mest.  
red. elem. no.7:5-34 '60. (MIRA 13:12)  
(Pegmatites)

TIMOFEEYEV, I.N.

Characteristics of the replacement of enclosing rocks at the early  
stages of the formation of pegmatites. Geol. mest. red. elem. no.7:  
57-75 '60. (MIRA 13:12)

(Pegmatites)

TIMOFEYEV, I.N.

Method for detailed geological mapping of mica-bearing pegmatites  
of the gigantomigmatite type. Razved i otkr. nedr 24 no. 7:5-12 JI '58.  
(MIRA 11:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya.  
(Pegmatites) (Mica)

AUTHOR: Timofeyev, I.N.

132-58-7-2/13

TITLE: Methods of Detailed Geological Mapping of Mica-Bearing Pegmatites of a Giant-Migmatite Type (O metodike detal'nogo geologicheskogo kartirovaniya giganto-migmatitovogo tipa slyudonosnykh pegmatitov)

PERIODICAL: Razvedka i okhrana nedr, 1958, Nr 7, pp 5-12 (USSR)

ABSTRACT: In recent years, geological research scientists have established that the distribution of ore bodies within a pegmatite field, and the spreading of mineralization in each pegmatite body, is closely connected with the structure of the enclosing stratum and depends on the composition and nature of enclosing rocks. Geologists working in the mica industry in the Mama region, under the leadership of M.A. Zavalishin from the "Sibgeolslyuda" Trust, proposed a method of geological mapping of transformed metamorphic Pre-Cambrian strata (ref.2,5,6,9). They proved that the main stratum of Pre-Cambrian crystalline shifts is of sedimentary origin. However, the Mama Muscovite bearing region has many separate sectors where the above method cannot be applied. One such sector is formed by a bare mountain called Rudnichnyy in the Bol'shoy Severnyy ore deposit. This deposit, in the

Card 1/3



132-58-7-2/

Methods of Detailed Geological Mapping of Mica-Bearing Pegmatites of a  
Giant-Migmatite Type

north-eastern part of the Mama pegmatite field, is the largest deposit of coarsely foliated muscovite. This deposit forms a large pegmatite massif of some tens of square km in which the metamorphic rocks are represented only by separate sheet-like xenoliths (called giant-migmatic type of pegmatites by N.V. Petrovskaya). A careful study of the geologic composition of this sector showed that the various layers of the metamorphic stratum occur in a regular consecutiveness of their initial sedimentation. This geological study indicates that the mentioned xenoliths are static fragments of the original metamorphic stratum, also called skialiths by G.E. Goodspide. (US reference 10). Further study of various relics of metamorphic fragments found in the pegmatites is described by the author. This study allowed the reconstruction of the initial composition of the sector before the metamorphic stratum was transformed into different varieties of pegmatites. Taking all these transformations into consideration, a geological map of pegmatites was prepared which showed that the deposits of mica-bearing pegmatites are disposed regularly in the pegmatite massif. They occur in the pegmatite which assimilated mainly the garnet-biotite gneiss, and which occupies a definite place in the con-

Card 2/3

132-58-7-2/13

Methods of Detailed Geological Mapping of Mica-Bearing Pegmatites of a Giant-Migmatite Type.

secutively stratified metamorphic rock. The distribution of mica-bearing deposits reflects the influence of the folding structure of the sector, as they are located in the cavities of exfoliation of metamorphic rocks in the vicinity of the tilted folds. There is 1 sketch, 1 table and 10 references, 9 of which are Soviet and 1 American

ASSOCIATION: (VIMS) [All-Union Scientific Research Institute of Mineral Raw Materials]

1. Pegmatites---Geology 2. Mica---Sources 3. Mapping---Applications  
4. Geology---USSR

Card 3/3

TIMOFEYEV, I.Z.; GALATIN, P.S., elektromekhanik

Changes in the circuit diagram of the ZHR-1 radio station. Avtom.,  
telem. i aviaz' 2 no. 8:36-37 Ag '58. (MIRA 11:8)

1. Starshiy elektromekhanik Batayskoy distantzii signalizatsii  
i svyazi Severo-Kavkazskoy dorogi (for Timofeyev). 2. Kontrol'nyy  
punkt Batayskoy distantzii signalizatsii i svyazi Severo-Kavkazskoy  
dorogi (for Galatin).

(Railroads--Electronic equipment)

11012404, 1/2  
TIMOFEEV, I.Z.

Measuring instrument for the radio station Zhr-4P, Avtom., telem.  
i sviaz' 2 no.1:31 Ja '58. (MIRA 11:1)

1. Starshiy elektromekhanik Batayskoy distantssii signalizatsii i  
svyazi Severo-Kavkazskoy dorogi.  
(Radio measurements)

KULYAGIN, K.M., starshiy inzh.; TIMOFEYEV, I.Z., starshiy elektromekhanik;  
SHVETS, A.M., elektromekhanik

Use of a wave-guiding line in the communication system between car  
checkers. Avtom., telem. i sviaz'5 no.5:37-38 My '61.

(MIRA 14:6)

1. Laboratoriya signalizatsii i svyazi Severo-Kavkazskoy dorogi  
(for Kulyagin). 2. Batayskaya distantziya signalizatsii i svyazi  
(for Timofeyev).

(Railroads—Communication systems)

FRIDLYAND, L. A.

124-11-13498

Translation from: Referativnyy Zhurnal, Mekhanika, 1957, Nr 11, p 164 (USSR)

AUTHORS: Fridlyand, L. A., and Timofeyev, K. I.

TITLE: Static Flexural Testing of Welded Joints for Their Tendency to  
Exhibit Heat Cracks  
(Ispytaniye staticheskim izgibom svarnykh shvov na sklonnost' k  
obrazovaniyu goryachikh treshchin )

PERIODICAL: Avtomat. svarka, 1957, Nr 2, pp 66-69

ABSTRACT: The paper describes the construction of a novel machine for the  
testing of seam-welded samples.

Card 1/1

TIMOFEYEV, K.I.

~~Three-phase arc process and its maintenance.~~ Avtom.svar. 6 no.6:45-51  
N-D '53. (MLRA 8:4)

1. Sektsiya elektrosvarki i elektrotermii Akademii nauk SSSR.  
(Electric--Welding)

MIKHAILOVSKIY, S.S.; TIMOFEYEV, K.K.

"Batch measuring devices" by S.P. Orlov. Reviewed by S.S. Mikhailovskiy,  
K.K. Timofeev. Priborostroenie no.3:30 Mr '61. (MIRA 14:3)  
(Measuring instruments)



USSR

Application of feedback to analytical and microanalytical balances. B. V. Deryagina, K. K. Timofeev, I. I. Abrikosova, and Yu. N. Sachkov. *Trudy Komiteta Anal. Khim., Akad. Nauk S.S.S.R., Otdel. Khim. Nauk* 5(8), 162-61 (1954).—An elec. set-up which relates deflection of the analytical balance beam to elec. current is described. *Eurika Meyer*

MATUSEVICH, M.G., kand. ekon. nauk; PASHKEVICH, O.N.; MUKHINA, V.A.,  
mlad. nauchnyy sotr.; MARKOVA, K.Ye., kand. ekon. nauk;  
SAVEL'YEV, I.T., mlad. nauchnyy sotr.; MERETSKAYA, T.A.,  
kand. ekon. nauk; D'YAKOV, B.I., mlad. nauchnyy sotr.;  
TIMOFEYEV, L., red.; VOLOKHANOVICH, I., tekhn. red.

[Capital assets of industry and their utilization] Osnovnye  
fondy promyshlennosti i ikh ispol'zovanie. Minsk, Izd-vo Akad.  
nauk BSSR, 1960. 202 p. (MIRA 16:6)

1. Akademiya navuk BSSR, Minsk. Instytut ekonomiki. 2. Institut  
ekonomiki AN BSSR (for all except Timofeyev, Volokhanovich).  
(White Russia—Capital)

TIMOFEEV, L.

The first armored cars of the Soviet Army. Tankist no.2:8-10 P '58.  
(Tanks (Military science)) (MIRA 11:3)

MATUSEVICH, M.G., kand.ekon.nauk; PASHKEVICH, O.N., kand.ekon.nauk;  
MUKHINA, V.A., mladshiy nauchnyy sotrudnik; MARKOVA, K.Ye., kand.  
ekon.nauk; SAVEL'YEV, I.T., mladshiy nauchnyy sotrudnik;  
MERETSKAYA, T.A., kand.ekon.nauk; D'YAKOV, B.I., mladshiy nauchnyy  
sotrudnik. Prinimali uchastiye: BEL'KO, S.P., mladshiy nauchnyy  
sotrudnik; ANDROSOVICH, Ye.I., mladshiy nauchnyy sotrudnik;  
KUKHAREV, B.Ye., mladshiy nauchnyy sotrudnik; REUT, S.B., starshiy  
statistik. TIMOFEYEV, L., red.; VOLOKHANOVICH, I., tekhn.red.

[Capital assets of industry and their utilization] Osnovnye fondy  
promyshlennosti i ikh ispol'zovanie. Minsk, Izd-vo Akad.nauk  
BSSR, 1960. 192 p. (MIRA 14:1)

1. Akademiya nauk BSSR, Minsk..Institut ekonomiki. 2. Institut  
ekonomiki AN BSSR (for all, except Timofeyev, Volokhanovich).  
(White Russia--Capital)

TIMOFEEV, L.

USSR

"Why Doesn't the Factory Turn out Cultivators?", Izvestia, 1949

Source: Current Digest of the Soviet Press, Vol 1 No. 21, 1949, page 55, (In [redacted] Library).



L 15820-6f  
ACCESSION NR: AP4948267

sheath combination are designed to be applied to certain types of antennas. The antennas were designed to be used in the field and the agreement was made to be used in the field.

ASSOCIATION: None

SUBMITTED: 13Sep63

ENCL: 00

SUB CODE: FC

NR REF SOV: 001

OTHER: 001

Card 2/2

DEMENT'YEV, A.P.; ISAYEVICH, N.Ye.; KASHKAROVA, T.D.; SOKOLOVA, Ye.I.;  
TIMOFEYEV, L.N.; TIMOFEYEV, N.N. (Leningrad)

Forensic psychiatric aspect of the delirium of jealousy and its  
compulsory treatment. Zhur. nevr. i psikh. 63 no.10:1554-1562 '63.  
(MIRA 17:5)



1. TIMOFEYEV, I.N.
2. USSR (600)
4. Fishing - Azov Sea
7. Significance of net partitions in catching young fish in anchovy and herring (Clupeonella) nets in the Sea of Azov., Hyb.khoz. 29 no. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

TI: OFEYEV, K. Ya.

PA 24T46

USSR/Engineering  
Mines and Mining - Equipment  
Loading Equipment

Sep. 1947

"Operation of Loading Machinery at the Shafts of the Artem Coal Combine," S. S. Rodhort,  
K. Ya. Timofeyev, Engrs, Gorlovka, 3 $\frac{1}{2}$  pp

"Ugol'" No 9 (258)

These workings were slightly mechanized at this combine in prewar days. Only in the days directly preceding the war were mechanized means of loading adopted at this location. The first such loading machinery type PB-1 was installed at shafts No 1 and 2 of the Ordzhonikidze Coal Trust and shafts No 4 and 5 of the Gorlovskaya Coal Trust. This machine has proved to be one of the more efficient ones (developed by M. A. Bratslavskiy, Engr). The UMP-1 loading machine which has received limited use is not as efficient as the PB-1 and is not recommended. Pneumatic machinery is the best type to use where the shafts go down more than 500 meters.

PA 24T46

*Timofeyev, K.I.*  
FRIDLYAND, L.A.; TIMOFEYEV, K.I.

Static bending test of welded joints for their tendency to hot crack formation. Avtom. svar. 10 no.2:66-69 Mr-Ap '57. (MIRA 10:6)

1. Filial Vsesoyuznogo nauchno-issledovatel'skogo instituta Ministerstva transportnogo mashinostroyeniya.  
(Welding--Testing)

TIMOFEYEV, K.N.; KHERSONSKIY, S.S.

Report on the work of the Kherison

More dynamism in industrial processes and an increase in production quality are the most important tasks of the glass industry. Stek.1  
ker.12 no.7:16-19 J1 '55. (MLRA 8:10)

(Glass industry)

BORISEVICH, N.A., red.; TIMOFEYEV, L., red.; SIDERKO, N., tekhn.red.

[Methods of fluorescence analysis; proceedings of the 8th  
Conference on Luminescence (October 19-24, 1959)] Metody  
liuminescentnogo analiza; materialy. Minsk, Izd-vo Akad.  
nauk BSSR, 1960. 147 p. (MIRA 13:11)

1. Soveshchaniye po lyuminesentsii, 8th, 1959.  
(Fluorescence)

ALYAB'YEV, V.I., kand.tekhn.nauk, MASHIN, G.K., inzh., NEKRASOV, R.N., inzh.,  
TIMOFFEYEV, L.G., inzh.

The new TPU-4 Ysnime skidding and loading equipment. Mekh.i avtom.  
proizv. 14 no.5:32-35 My '60. (MIRA 14:2)  
(Lumbering—Machinery)

TIMOFEYEV, I.I.; HENSON, R.K.

PUB-1,0 universal loader. Trakt. i sel'khoz mash. no. 5:41-42 My '59.  
(MIRA 12:6)

(Loading and unloading)

HENSON, R.K., inzh.; TIMOFEYEV, L.I., inzh.

The PUB-1,0 universal loader. Mekh. i elek. sets. sel'khoz. 17  
no.1:45-46 '59. (MIRA 12:1)

1.Spetsial'noye konstruktorskoye byuro Severo-Zapada.  
(Agricultural machinery)



1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
PROCESSES AND PROPERTIES INDEX																																																			
<p>TIMOFEEV, L.I.</p> <p>Some data on the chemistry of wheat ripened after harvesting in storage, silos or elevators. N. P. Popov and L.I. Timofeev. <i>Sci. Inst. Cereal Research</i> (Moscow) No. 11, 50-83 (1933). —The diastase increased soon after storing the wheat, attaining a max. on the 25th day. The catalase activity is prolonged in wheat ripened in storage, especially if the grain is harvested with the combine. The total period of catalase formation is shorter for wheat harvested with the combine. J. S. J.</p>																																																			
<p>ASACSLA METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			

ANDRUSHCHENKO, A.G., nauchnyy sotrudnik; BEREZKINA, O.A., nauchnyy sotrudnik;  
KUZ'MINA, V.I., nauchnyy sotrudnik; OZEROVA, G.M., nauchnyy  
sotrudnik; PAL'CHIKOVA, A.P., nauchnyy sotrudnik; TSARIN, A.P.,  
nauchnyy sotrudnik; TIMOFEYEV, L.N., nauchnyy sotrudnik; NIKITIN,  
G.A., krayeved; CHEREPANOV, B., red.; ISUPOVA, N., tekhn.red.

[Alupka; a sketch for excursionists] Alupka; ekskursionnyi ocherk.  
Simferopol', Krymizdat, 1961. 84 p. (MIRA 14:7)

1. Alupkinskiy dvorets-muzey (for all except Cherepanov, Isupova).  
(Alupka—Description)

TIMOFEYEV, L.N.

Clinical characteristics of a syndrome of exaggerated ideas of marital infidelity. Zhur. nev. i psikh. 64 no.3:390-397 '64. (MIRA 17:5)

1. Psikhiatricheskaya klinika (zaveduyushchiy kafedroy - prof. A.A. Portnov) Voenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova, Leningrad.

ANDRUSHCHENKO, A.G.; BEREZKINA, O.A.; KUZ'MINA, V.I.; OZEROVA,  
G.M.; PAL'CHIKOVA, A.P.; TSARIN, A.P.; TIMOFEYEV, L.N.;  
NIKITIN, G.A., krayeved; GARMASH, P.Ye., red.; FISENKO,  
A.T., tekhn. red.

[Alupka; an excursion sketch; its nature, history, sana-  
toriums, the palace-museum, its park, and an information  
directory] Alupka; ekskursionnyi ocherk: priroda, istoria,  
zdravnitsy, dvorets-muzei, park, spravochnye svedeniia.  
Simferepol', Krymizdat, 1963. 78 p. (MIRA 16:10)

1. Nauchnyye sotrudniki Alupkinskogo dvortsa - muzeya (for  
all except Fisenko, Garmash).  
(Alupka--Guidebooks)